

1 Amendments to the Claims:

2       This listing of claims will replace all prior versions, and  
3 listings, of claims in the application using (Original), (Currently  
4 Amended), (New), (Canceled), (Previously Presented) nomenclature,  
5 as recited in the below listing of claims.

6  
7 1. (Canceled)

8 2. (Canceled)

9 3. (Previously Presented) A communication system for broadcasting a  
10 channel signal, the system comprising,

11       a detection receiver for receiving a channel signal having a  
12 modulated carrier for communicating first messages using a first  
13 spreading code and communicating second messages using a second  
14 spreading code, the detection receiver comprising:

15       a first replica spreading code generator providing a first  
16 replica spreading code;

17       a second replica spreading code generator providing a second  
18 replica spreading code;

19       a first despreader for despreading the channel signal into a  
20 first despread signal;

21       a second despreader for despreading the channel signal into a  
22 second despread signal;

23       a first carrier demodulator for carrier demodulating the first  
24 despread signal into first quadrature signals;

25       a second carrier demodulator for carrier demodulating the  
26 second despread signal into second quadrature signals;

27       a first power detector for detecting the power level of the  
28 first quadrature signal for providing a first power signal;

1       a second power detector for detecting the power level of the  
2 second quadrature signal for providing a second power signal;  
3       a comparator for determining which one of the first power  
4 signal or the second power signal is present; and  
5       a selector for selecting and providing the first quadrature  
6 signal when the first power signal is present or for selecting and  
7 providing the second quadrature signal when the second power signal  
8 is present, the first quadrature signal communicating the first  
9 message when the first power signal is present, the second  
10 quadrature signal communicating the second message when the second  
11 power signal is present,  
12       the system further comprising,  
13       a data source for providing the first message during a first  
14 time period when the first power signal is present and for  
15 providing the second message during a second time period when the  
16 second power signal is present,  
17       a code generator for generating an original first spreading  
18 code and an original second spreading code,  
19       a spreader for spectrum spreading the first message by the  
20 original first spreading code and for spectrum spreading the second  
21 message by the original second spreading code, the first replica  
22 spreading code being a replica of the original first spreading  
23 code, the second replica spreading code being a replica of the  
24 original second spreading code, the first message and second  
25 message are spectrum spread into first and second spread spectrum  
26 signals,  
27       a transmitter for broadcasting the channel signal by  
28 modulating a carrier by the first spread spectrum signal during the

1 first time period and by the second spread spectrum signal during  
2 the second time period, and

3 a first code receiver for receiving the first message during  
4 the first time period, the system communicating to the detection  
5 receiver and to the first code receiver during the first time  
6 period, the system selectively communicating to the detection  
7 receiver and not the first code receiver during the second time  
8 period.

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10 4. (Original) The system of claim 3 further comprising,

11 a plurality of detection receivers receiving the first and  
12 second messages.

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14 5. (Currently Amended) The system of claim 3 further comprising  
15 a plurality of first code receivers for receiving the first  
16 messages.

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18 6. (Original) The system of claim 3 wherein,  
19 the first and second codes are partially correlated.  
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